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TITLE: ULTRAVIOLET-CURABLE COATING COMPOSITION FOR CAN

PUBN-DATE: June 16, 1998

INVENTOR-INFORMATION:

NAME

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TAKAMI, SEIJI

ASSIGNEE-INFORMATION:

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KANSAI PAINT CO LTD

APPL-NO: JP08339121

APPL-DATE: December 5, 1996

INT-CL (IPC): C09 D 163/00; C09 D 171/02

ABSTRACT:

PROBLEM TO BE SOLVED: To obtain an ultraviolet-curable coating composition capable of forming a coating film having an excellent workability, adhesivity, hardness, appearance and retort resistance even at a low irradiation and suitable for the coating of a can.

SOLUTION: This ultraviolet-curable coating composition for a can contains (A) 10-90 pts.wt. of a compound having an alicyclic epoxy group in the molecule, (B) 1.0-90 pts.wt. of a compound having an oxetane ring in the molecule, (C) 1-30 pts.wt. (based on 100 pts.wt. of A+B) of a copolymer having at least one each of oxetane ring and glycidyl group in the molecule and (D) 0.01-20 pts.wt. of a cationic polymerization initiator generating a cation by ultraviolet irradiation. A coated metallic can is produced by coating a metallic can with the coating composition and irradiating with ultraviolet rays.

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